

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/042079

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F28F9/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 295 04 526 U1 (AUTOKUEHLER GMBH & CO KG, 34369 HOFGEISMAR, DE) 18 July 1996 (1996-07-18) abstract; figures 1-4	1-6, 10-16
A	US 2002/134529 A1 (NOZAKI TAKAHIRO ET AL) 26 September 2002 (2002-09-26) figures 1-4	7-9
A	FR 2 752 929 A (VALEO THERMIQUE MOTEUR) 6 March 1998 (1998-03-06) page 1	1-16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the International search

12 April 2005

Date of mailing of the international search report

14/06/2005

1

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Bain, D

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/042079

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 29504526	U1	18-07-1996	NONE		
US 2002134529	A1	26-09-2002	JP 2002286396 A		03-10-2002
			BR 0200914 A		05-11-2002
			GB 2375817 A ,B		27-11-2002
			SE 524656 C2		14-09-2004
			SE 0200840 A		24-09-2002
FR 2752929	A	06-03-1998	FR 2752929 A1		06-03-1998